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Montreal, Canada  
September 22, 2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Chunyan WANG  
Serial No.: (unknown)  
Filed: September 23, 2003  
Title: METHOD AND APPARATUS FOR CURRENT AMPLIFICATION  
Examiner: (unknown)  
Agent of Record: James Anglehart Tel: Direct Dial: 514) 847-4244

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**INFORMATION DISCLOSURE STATEMENT**  
**PRIOR TO FIRST OFFICE ACTION**

Sir:

Pursuant to the duty of disclosure under 37 CFR 1.56, copies of the references listed on the attached PTO Form 1449 are submitted herewith.

The Examiner is kindly requested to consider these references during the examination of the above-identified application, making the references of record, and to return an initialed copy of the PTO-1449 Form to the below-signed agent.

In accordance with 37 CFR 1.97(h), the submission of the present information is not to be construed as an admission that such information is, or is considered to be material to patentability.

Respectfully submitted,

Chunyan WANG

By:



C. Marc Benoît  
Agent of Record, Registration No. 50,200  
OGILVY RENAULT  
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Montreal, Quebec, Canada H3A 2Y3

Enc.: Copy of References  
2 sets of PTO-1449 Forms

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Substitute for form 1449A and B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
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				Filing Date	September 23, 2003
				First Named Inventor	Chunyan WANG
				Art Unit	(unknown)
				Examiner Name	(unknown)
Sheet	1	of	2	Attorney Docket Number	6446-22US JA/AD/mb

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Sheet	2	of	2	Attorney Docket Number	6446-22US JA/AD/mb

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		WIDEBAND CLASS AB (PUSH-PULL) CURRENT AMPLIFIER IN CMOS TECHNOLOGY, Electronics Letters 12th. April 1990, Vol. 26, No. 8, pp.543-545.	
		CONSTANT-BANDWIDTH CURRENT MODE OPERATIONAL AMPLIFIER, E. Bruun, ELECTRONICS Institute, Technical University of Denmark, Building 349, DK-2800 Lyngby, Denmark, 2 <sup>nd</sup> . July 1991, pages.	
		A CMOS CURRENT-MODE OPERATIONAL AMPLIFIER, Thomas Kaulberg, IEEE Journal of Solid-State Circuits, Vol. 28, No. 7, July 1992, pp. 849-852.	
		A 200 MHz Steered Current Operational Amplifier in 1.2- $\mu$ m CMOS Technology, Eyad Abou-Allam and Ezz El-Masry, IEEE Journal of Solid-State Circuits, Vol. 32, No. 2, February 1997, pp. 245-249.	
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		7-Decade Tuning Range CMOS OTA-C. T. Serrano-Gotarredona and B. Linares-Barranco National Microelectronics Center (CNM) Ed. CICA, IEEE, 1998, Electronics Letters on Line No. 19981200, 2 pages.	

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code <sup>2</sup> (if known)			
		US-5,834,951	Nov. 10, 1998	Klein	
		US-5,867,066	Feb. 2, 1999	Dell'Ova et al.	
		US-6,583,670	Jun. 24, 2003	Wang	
		US-5,565,815	Oct. 15, 1996	Klein	
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